

University Physics II

Answer Sheet – Homework Set 8

Questions beginning with ** do not have answers on this sheet.

$$(3.52 \times 10^{-18} \hat{x} - 1.6 \times 10^{-18} \hat{y}) \text{ N}$$

$$4.32 \times 10^{-3} \text{ m N}$$

$$5.46 \text{ N}$$

$$1.18 \times 10^{-4} \text{ m N}$$

$$8 \times 10^{-3} \text{ T } \hat{z}$$

$$10.3 \text{ m/s}^2$$

$$9.98 \text{ m N}$$

$$2.88 \text{ N } (-\hat{y})$$

$$-1.18 \times 10^{-4} \text{ J}$$

$$4.73 \text{ N}$$

$$-24.4^\circ$$

$$4.73 \text{ N}$$

$$1.07 \text{ m/s}$$

$$5.4 \times 10^{-3} \text{ A m}^2$$

$$1.18 \times 10^{-4} \text{ J}$$